

CLAIMS

1) Method for pulling out of the mould containers containing an edible product, in particular ice-cream cones, characterised by the fact that the container is lifted from the mould by means of one or more blasts of pressurised air, leading it to insert between the arms of pincers and afterwards the pincers are closed in order that the container leans against said arms.

2) Method according to claim 1, characterised by the fact that one or more blasts of pressurised air are played just near the area between cone and mould in such a way as to create an air cushion which activates the lifting of the cone, the upper part of which insert between the arms of the pincers; afterwards it is activated the locking of said arms and the pressurised air flow is stopped in order to allow the cone to rest against the arms closed by the pincers.

3) Method according to claim 2, characterised by the fact that the presence of the cone between the arms of the pincers is detected by means of a sensor and afterwards the locking of said arms is activated.

4) Device for pulling out of the mould containers containing an edible product, in particular ice-cream cones, characterised by the fact to include:

- devices suited to lift the container of the mould,

leading the upper part to insert between the arms of the pincers;

- devices suited to close said pincers after the container is inserted between said arms.

5 5) Device according to the claim 4, characterised by the fact that said devices suited to activate the lifting of the cone are composed of one or more nozzles suited to play as many blasts of pressurised air between the cone and the mould.

10 6) Device according to the claim 5, characterised by the fact of providing means apt to limit the closure of the pincers, so that at the moment of its closure, it does not squeeze the cone, which only leans on the ends of the arms without being damaged.

15 7) Device according to the claim 5, characterised by the fact to provide for a sensor suited to detect the presence of the cone between the arms of the pincers, in which said sensor emits a signal which is sent to the devices which activate the locking of the pincers.

20 8) Device according to the claim 7, characterised by the fact that said sensor is placed between the arms of the pincers.

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